

Transceivers FAQs

Transceiver Specifications

For Transceiver specifications and its OEM mapping, please refer to:
<http://kb.fortinet.com/kb/dynamickc.do?cmd=show&forward=nonthreadedKC&docType=kc&externalId=13823&sliceId=1>

Extended Reach 3rd Party Transceivers

For Extended Reach, the following Transceivers had been tested (but not verified on all platforms):

| Transceiver | 3 rd Party SKU | Description |
|-------------|---------------------------|---------------------------|
| SFP LH | AVAGO SFP AFCT-57V6NSZ | 1000BASE-ZX, 1550nm, 40km |
| SFP ZX | AVAGO SFP AFCT-57V6USZ | 1000BASE-ZX, 1550nm, 80km |
| SFP+ ER | OPNEXT SFP+ TRS7050EN | 10GBASE-ER, 1550nm, 40km |

3rd Party SGMII Transceivers

The Serial Gigabit Media Independent Interface (SGMII) mode that supports 10/100/1000 Mbps is supported on FortiGate network interfaces, but only when using 3rd party transceiver modules. External information is available here:

http://kb.fortinet.com/kb/microsites/search.do?cmd=displayKC&docType=kc&externalId=FD34526&sliceId=1&docType=DT_KCARTICLE_1_1&dialogID=58363437&stateId=0%200%2058361958

| Transceiver | 3 rd Party SKU |
|----------------------------|---------------------------|
| SFP Gig Copper Transceiver | AXCEN AXGT-R1T4-05I1 |
| SFP Gig Copper Transceiver | FIBERXON FTM-C012R-LCG |

3rd Party Transceivers Support

(As per CSS reference Guide) For hardware consumables which may be physically installed within a Fortinet appliance, such as transceivers, if these are non-Fortinet hardware, the following conditions apply.

- Fortinet reserves the right as a first step in ticket handling to request that a Fortinet equivalent be verified for comparative behavior. If the unit subsequently shows no failure condition troubleshooting will be complete.
- If as a result of a technical analysis a fault or defect is traced to the use of non-Fortinet supplied hardware then service or warranty entitlement will be forfeit for the affected Fortinet appliance.
- Units which contain non-Fortinet hardware are not accepted for RMA exchange.

10GE SFP+ Copper DAC

SFP+ is standardized not by IEEE but MSA (Multi Source Agreements), hence there are possible situations with compatibility issue when connecting to 3rd party devices. The field is advised to test the connectivity prior to customer purchase. On the other hand, 3rd party DACs attempting to connect to our device should be tested as well. Most notably, Cisco Nexus switches generally only support connectivity to Cisco products.

The SP-CABLE-ADASFP+ is supported on FortiGate with SFP+ slots and FortiSwitch 1024D/1048D.

10GBase-T

There is currently no support for 10GBase-T (RJ45) support.

SFP+ slots for SFP Transceivers

In general, our SFP transceivers (both copper and fiber modules) should work on a SFP+ slot unless explicitly defined. One example will be the last 8 ports on the FG-3700D. Due to the support for ultra-low latency, SFP transceivers are not support on those SFP+ interfaces.